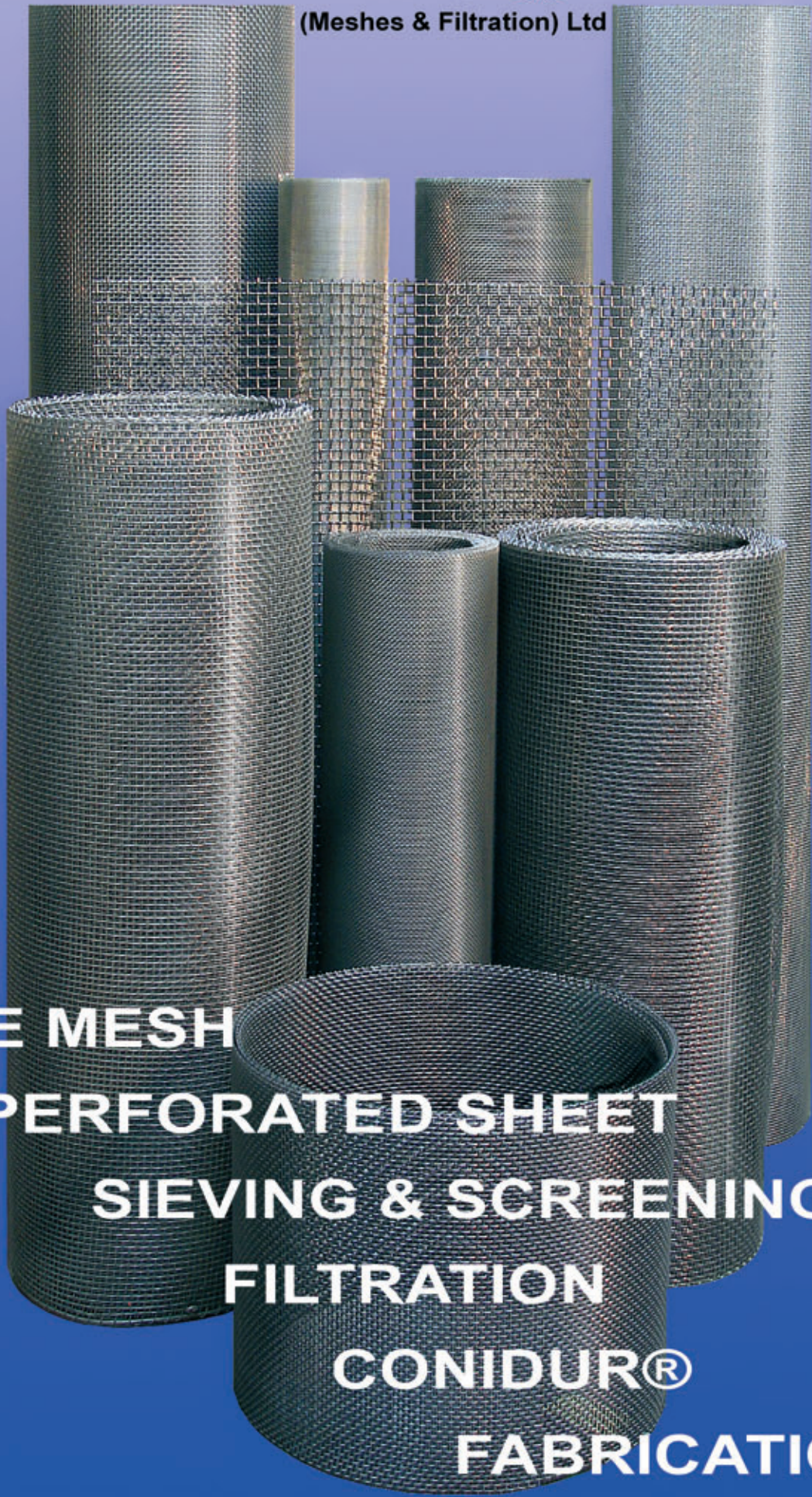


Plastok

(Meshes & Filtration) Ltd



WIRE MESH

PERFORATED SHEET

SIEVING & SCREENING

FILTRATION

CONIDUR®

FABRICATIONS



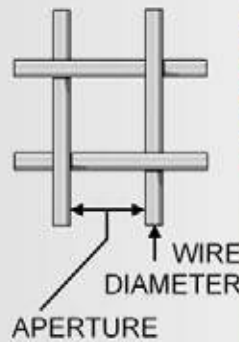
WOVEN WIRE MESHES

Woven wire meshes are available in a full range of apertures and wire diameters in a variety of weaves, eg, plain, dutch and twilled.

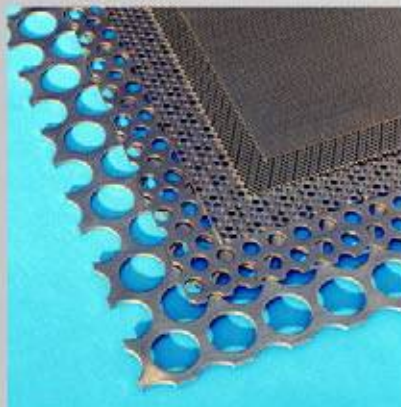
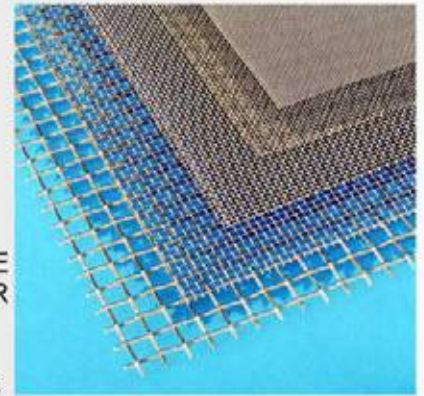
Materials available include stainless, high carbon and mild steels, brass, copper & phosphor bronze.

These can be supplied in roll, sheet, cut pieces & discs.

STOCK from 25 microns to 25 mm.



1 millimeter = 1000 microns



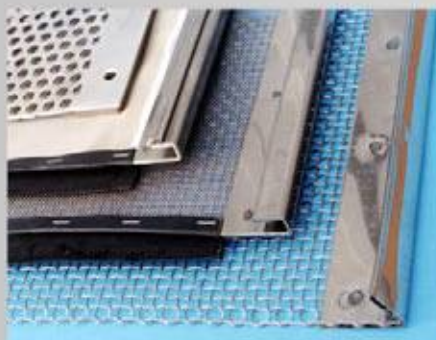
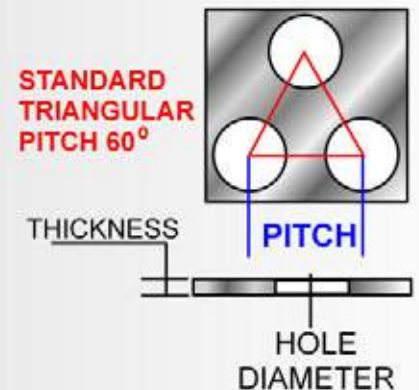
PERFORATED SHEET

Perforated sheet (plate) is available in a range of hole sizes & sheet thickness.

Hole patterns can be 'standard' or special patterns can be manufactured.

Materials include stainless & mild steel and aluminium.

STOCK from 1 to 10 mm.



CLIP & HOOK SCREENS

Supplied to fit all types of side or end tensioning screening machines. Hooks strips can be standard or double folded type.

Square or rectangular weave meshes supplied in stainless or high tensile steel. Screens can be fitted with rubber edge sealing lip.

CIRCULAR SCREENS

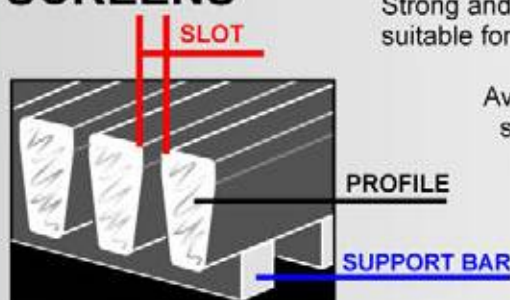
Replacement and remeshing service for all sieving and screening machines. Capacity up to 3 metre diameter.

Meshes are accurately and evenly tension bonded to give better efficiency and higher product throughput.

The service also includes rings fitted with ultrasonics.



WEDGE-WIRE SCREENS



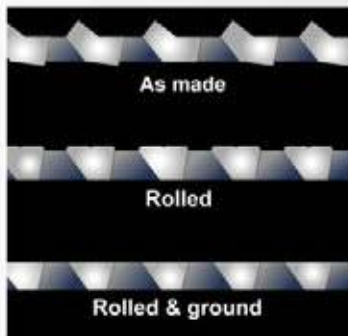
Strong and durable, wedge wire screens are suitable for de-watering, separating and screening.

Available in a variety of wire profiles and slot widths. Manufactured as flat or curved panels, and tubes, with the working surface inside or out.

CONIDUR®

Fine hole sheet

- Oblique, conical perforations
- Directional air flow
- Resistant to blinding
- Small holes in relatively thick sheets
- Stainless, mild & various alloys
- Fluidisation, grinding & filtration



Different surface finishes are available, depending on the application.

Sharp, rough surface makes **CONIDUR®** ideal for milling and grinding. The cold working hardens and strengthens the material.

Controlled rolling and electro-polishing gives improved product flow and air distribution.

Grinding and electro-polishing further improves the surface quality.

FLUID BEDS

CONIDUR® is manufactured with the hole pitch and advance adjusted to the exact product and process requirements. Fluid bed sheets are supplied with the sheet orientations arranged to give the correct agitation and circulation.

To ensure correct operation, detailed tests can be carried out on your product. The **CONIDUR®** sheets can then be manufactured, and mounted on support frames, if required, to fit your fluid bed machine.

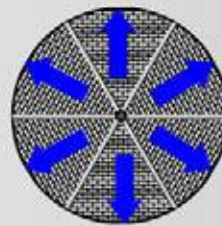
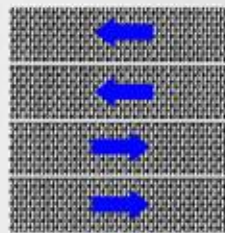
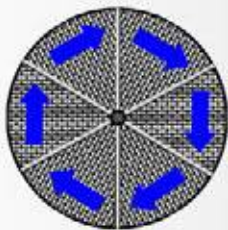
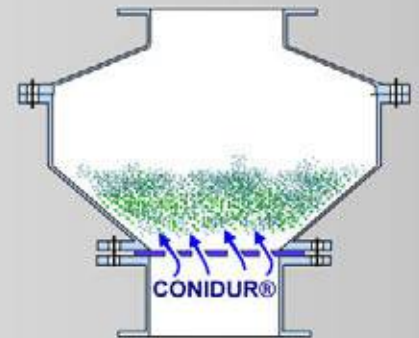
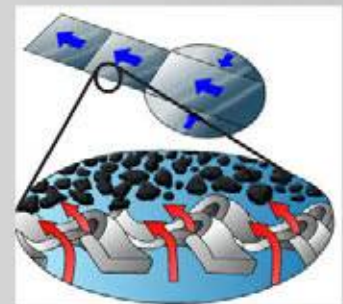
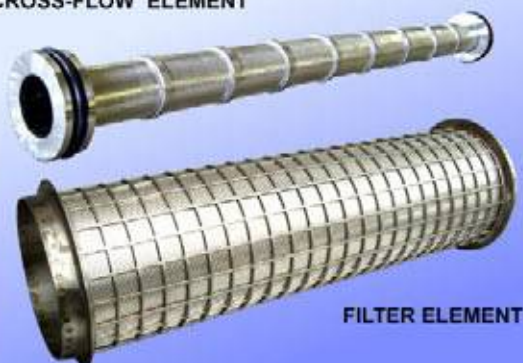


Illustration showing directional flow arrangements



CROSS-FLOW ELEMENT

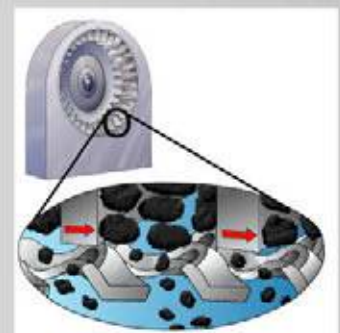
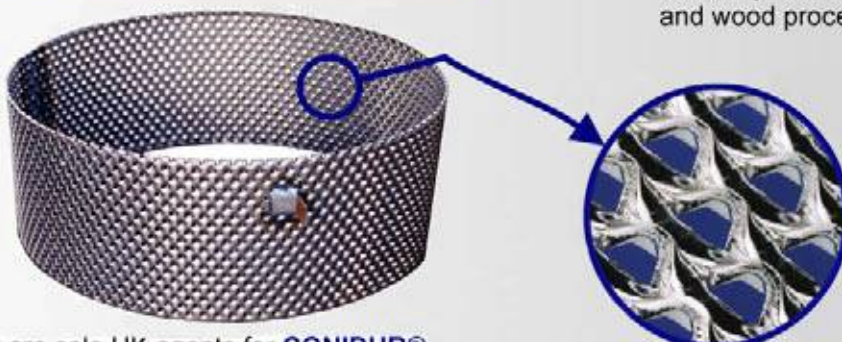


CONIDUR® is suited to a wide variety of filtration and separation applications.

The conical holes are resistant to clogging, and when ground and polished, the release properties prevent sticking, ideal for flushing, back-washing and self-cleaning filters.

GRINDING & MILLING

Due to the unique surface properties **CONIDUR®** is especially suited to grinding and milling applications, as used in pharmaceutical, chemical, food and wood processing industries.

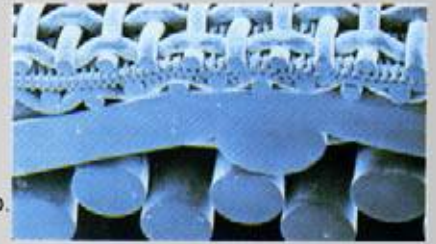


PlastOk are sole UK agents for **CONIDUR®** the trademark for Hein Lehmann, Germany. For more information ask for full illustrated brochures



MULTI-LAYER SINTERED METAL MESH

Multiple layers of stainless steel mesh sintered into a plate-like material. Top surface filtration for easy product release, ideal for backwash and dust filtration. Formable and weldable. Available in plate and tubular forms. Open structure gives low pressure drop. 0.5 to 200 microns.



Cross-section of 5 layer structure

Protection layer
Filtration layer
Distribution layer
Coarse support layers



FILTER VESSELS



Bag, cartridge, backwash and cross-flow filters using stainless steels, plastic lined (FEP, PVDF etc.) and mild steel. Filter media to suit all applications.

Consultation, design and construction to customer requirements and specifications. (SEP, PD5500 etc.)

Single, duplexed, and trolley mounted.

Connections, orientations and other practical features to suit customers' individual requirements.

AUTOMATED SELF-CLEANING FILTER



Ideal for surface water, from lakes, rivers, sea water or mains supply.

For the protection of heat exchangers & sensitive process equipment.

Plastic (GRP) and stainless steel construction.

Filtration from 2 mm down to 100 microns.

Single unit gives continuous operation, using unique hydrodynamic flushing principle.



Simple to install and operate.

Requires compressed air and electric power supply.

GENERAL FABRICATIONS

We offer a comprehensive in-house fabrication service for all sieving, screening & filtration spares.

Our technical team can assist with the design & development of devices to suit your process requirements.

Industries supplied include minerals, chemicals, food, beverages, process fluids, pharmaceuticals & research.



COMPILED BY BT 97

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